

Title (en)
HIGH SPEED COMMUNICATIONS NETWORK IN DENTAL EQUIPMENT

Title (de)
HOCHGESCHWINDIGKEITSKOMMUNIKATION NETZWERK FÜR DENTALER AUSRÜSTUNG

Title (fr)
RÉSEAU DE COMMUNICATIONS À HAUTE VITESSE POUR MATÉRIEL DENTAIRE

Publication
EP 3229411 A1 20171011 (EN)

Application
EP 17164609 A 20170403

Priority
US 201615090363 A 20160404

Abstract (en)
A system comprises a plurality of nodes connected in a peer-to-peer network via a communication interface. At least one node of the plurality of nodes comprises a transceiver, at least two connectors, at least one termination resistance module coupled to the transceiver, the at least one termination resistance module providing termination resistance within the node, a first detection circuit coupled to a first connector of the at least two connectors, and a second detection circuit coupled to a second connector of the at least two connectors. The first and second detection circuits are configured to detect that the node is coupled to one or more other nodes in the peer-to-peer network, and automatically adjust the termination resistance based on the detecting.

IPC 8 full level
H04L 12/40 (2006.01)

CPC (source: CN EP KR US)
G06F 13/4068 (2013.01 - EP US); **G06F 13/4265** (2013.01 - EP US); **H04L 12/40** (2013.01 - US); **H04L 12/40006** (2013.01 - CN EP); **H04L 12/40013** (2013.01 - CN EP); **H04L 12/40078** (2013.01 - KR); **H04L 12/40091** (2013.01 - EP KR); **H04L 43/10** (2013.01 - KR); **H04L 67/104** (2013.01 - US); **H04L 69/18** (2013.01 - CN); **H04L 25/0298** (2013.01 - US); **H04L 2012/40215** (2013.01 - CN EP KR US)

Citation (search report)
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• [I] WO 2012121891 A1 20120913 - AMERICAN POWER CONV CORP [US], et al
• [A] EP 0293197 A2 19881130 - SONY CORP [JP], et al

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US11023407B2

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3229411 A1 20171011; EP 3229411 B1 20190814; AU 2017202048 A1 20171019; AU 2017202048 B2 20220310; AU 2022203784 A1 20220623; AU 2022203784 B2 20230921; AU 2023285912 A1 20240118; CN 107276868 A 20171020; CN 107276868 B 20220412; CN 115102801 A 20220923; CN 115102801 B 20240409; EP 3570501 A1 20191120; EP 3570501 B1 20211103; EP 3958516 A1 20220223; EP 3958516 B1 20230510; JP 2017188900 A 20171012; KR 20170114982 A 20171016; US 10095650 B2 20181009; US 10614025 B2 20200407; US 11023407 B2 20210601; US 2017286351 A1 20171005; US 2019018817 A1 20190117; US 2020218687 A1 20200709

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EP 17164609 A 20170403; AU 2017202048 A 20170328; AU 2022203784 A 20220601; AU 2023285912 A 20231221; CN 201710213743 A 20170401; CN 202210276933 A 20170401; EP 19184889 A 20170403; EP 21198527 A 20170403; JP 2017073908 A 20170403; KR 20170043920 A 20170404; US 201615090363 A 20160404; US 201816123896 A 20180906; US 202016823727 A 20200319